

COST Action CA18111 "Genome Editing in Plants"

## Online lecture series

**Date: June 28, 2023 – 4 PM CEST**

### Speaker 1



**Dr. Alain Tissier** – Leibniz Institute of Plant Biochemistry,  
Department of Cell and Metabolic Biology, Germany

Title: Fusion of viral 5'-exonucleases to Cas9 and Cas12a  
strongly increases homology directed repair in plants

### Speaker 2



**Dr. Petra Jorasch** – Euroseeds, Belgium

Title: Quo vadis EU on NGTs? An industry perspective

## About Dr. Alain Tissier

Dr. Alain Tissier studied plant molecular biology and biochemistry at the Ecole Normale Supérieure in Paris and at the University Paris-XI (Orsay). For his PhD he went to the Massachusetts Institute of technology (MIT) in the lab of Prof. Ethan Signer and worked on the isolation and characterization of enzymes involved in homologous recombination from broccoli. He then moved in 1994 to Norwich (UK) to work in the lab of Jonathan Jones in the Sainsbury Laboratorium to establish a transposon mutagenesis system in *Arabidopsis*. And in 1996, Dr. Tissier got a scientist position at the Commissariat à l’Energie Atomique in Cadarache, France, where he worked on the response of plants to ionizing radiation. Starting in 2000, his interests progressively shifted to specialized metabolism, and in 2003 he founded a plant biotech start-up (Librophyt), whose objective was metabolic engineering in glandular trichomes. In 2009, I moved to the University of Montpellier, where I got a professorship in plant biochemistry and moved to the IPB in Halle (Germany) in 2010 as head of the Department Cell and Metabolic Biology. His current research interests are on plant isoprenoid metabolism in the context of biotic and abiotic stresses and in engineering and synthetic biology.

## About Dr. Petra Jorasch

Dr. Petra Jorasch holds a PhD in plant molecular biology from the University of Hamburg in 1999. She is now an internationally recognized science and industry advocacy expert with more than 20 years of experience in and a deep knowledge of the relevant policy frameworks for seeds, plant science and breeding, access and use of plant genetic resources as well as relevant intellectual property protection systems.

Dr. Jorasch worked for 13 years in the German seed sector at the interface of science and industry, managing intellectual property rights, public-private partnerships and technology transfer. From 2014-2017 she was Vice Secretary General of the German Plant Breeders’ Association (BDP) and its research branch GFPI (German Federation for Plant innovation).

Dr. Jorasch joined Euroseeds in February 2017 as the spokesperson of the EU plant breeding sector on modern plant breeding methods and innovative technologies.

## How to join the lecture session?

You can register for this online lecture session by submitting your name and email here:

<https://forms.gle/rFwdqZUUtVt23PaM7>

A link to join the session will be sent to you later in May.